

FIG. 1

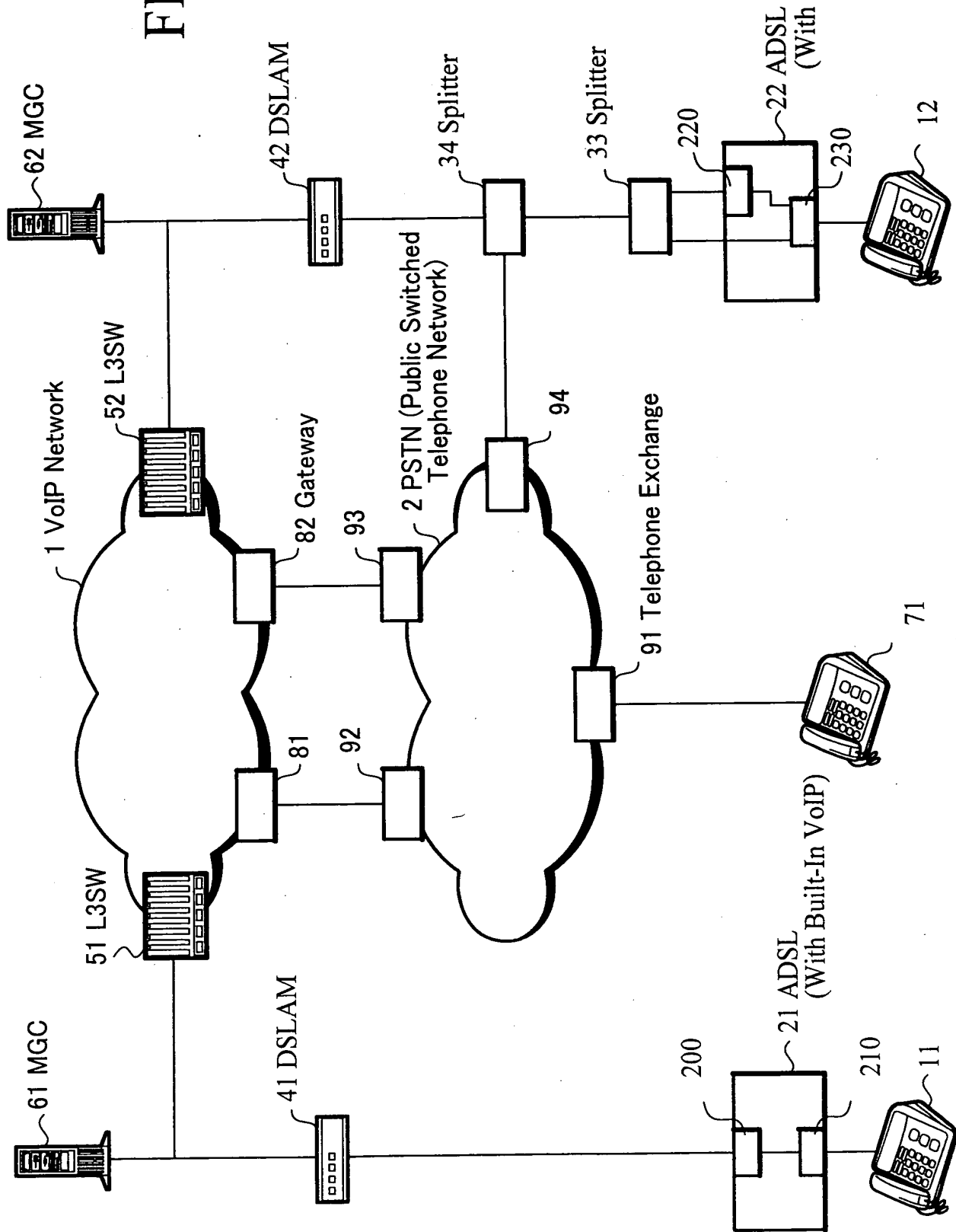




FIG. 2

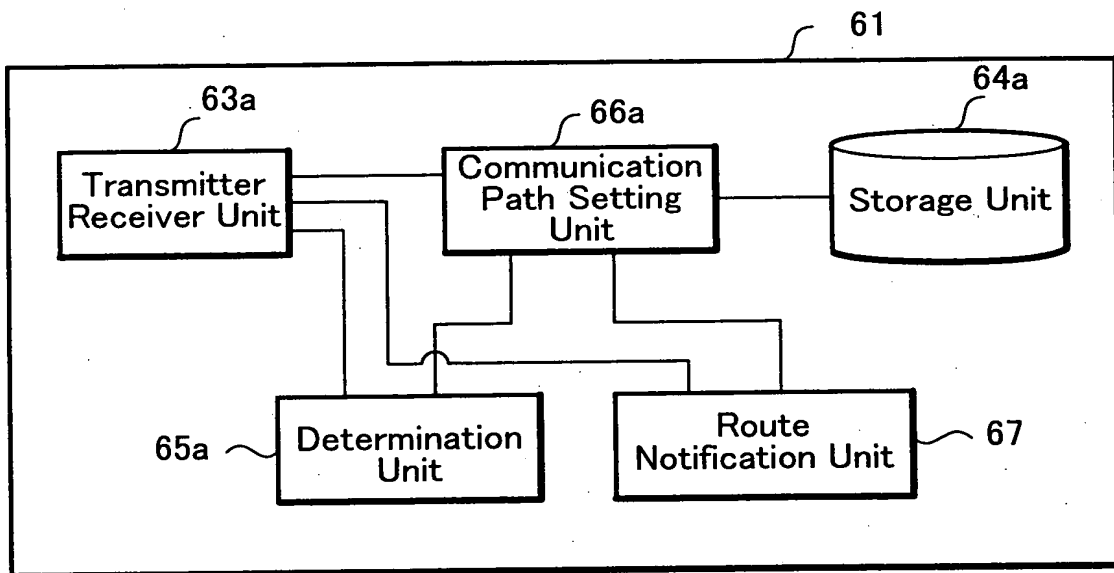
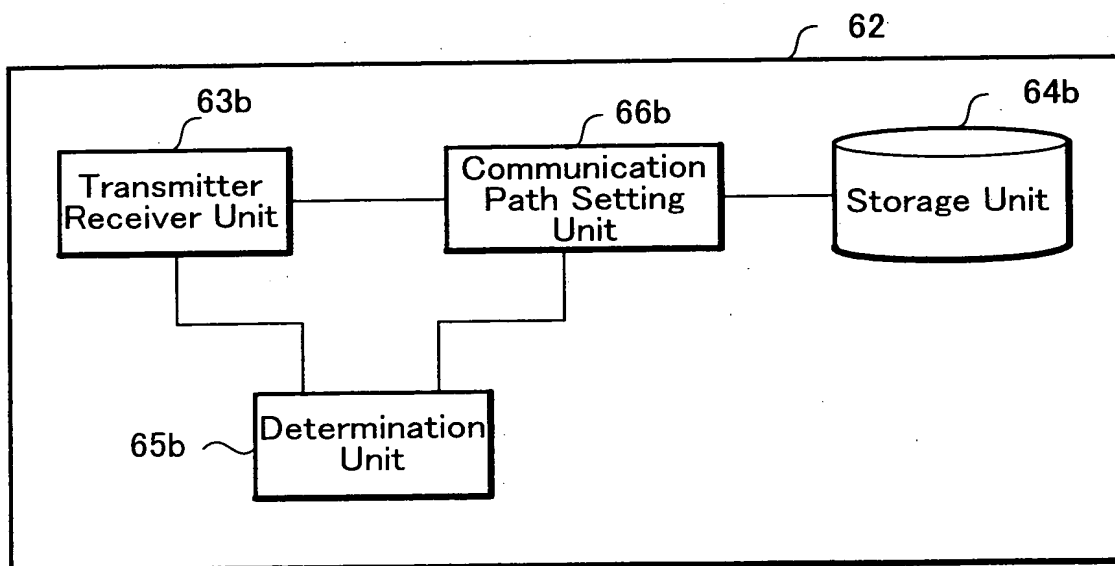


FIG. 3





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FIG. 4

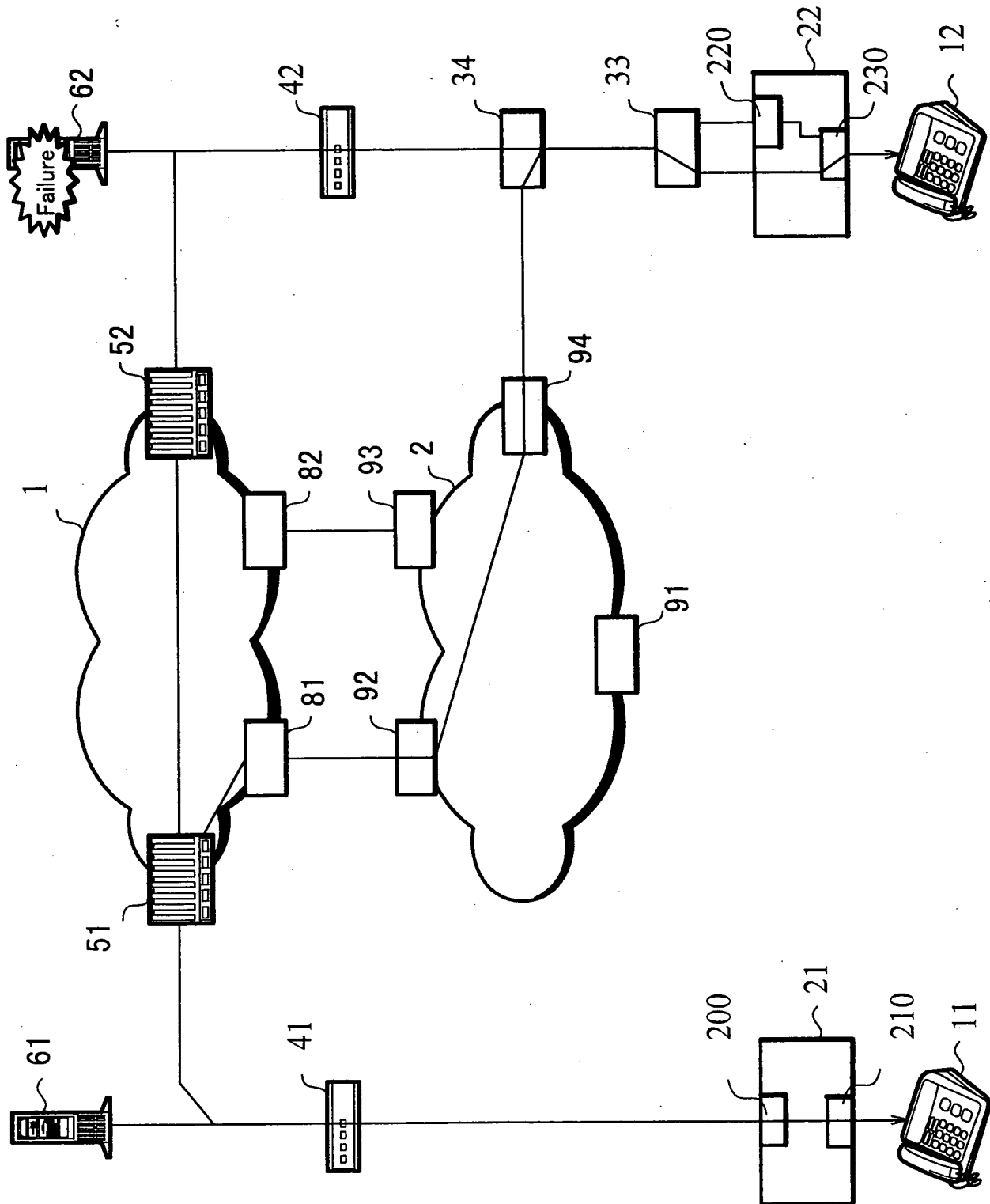
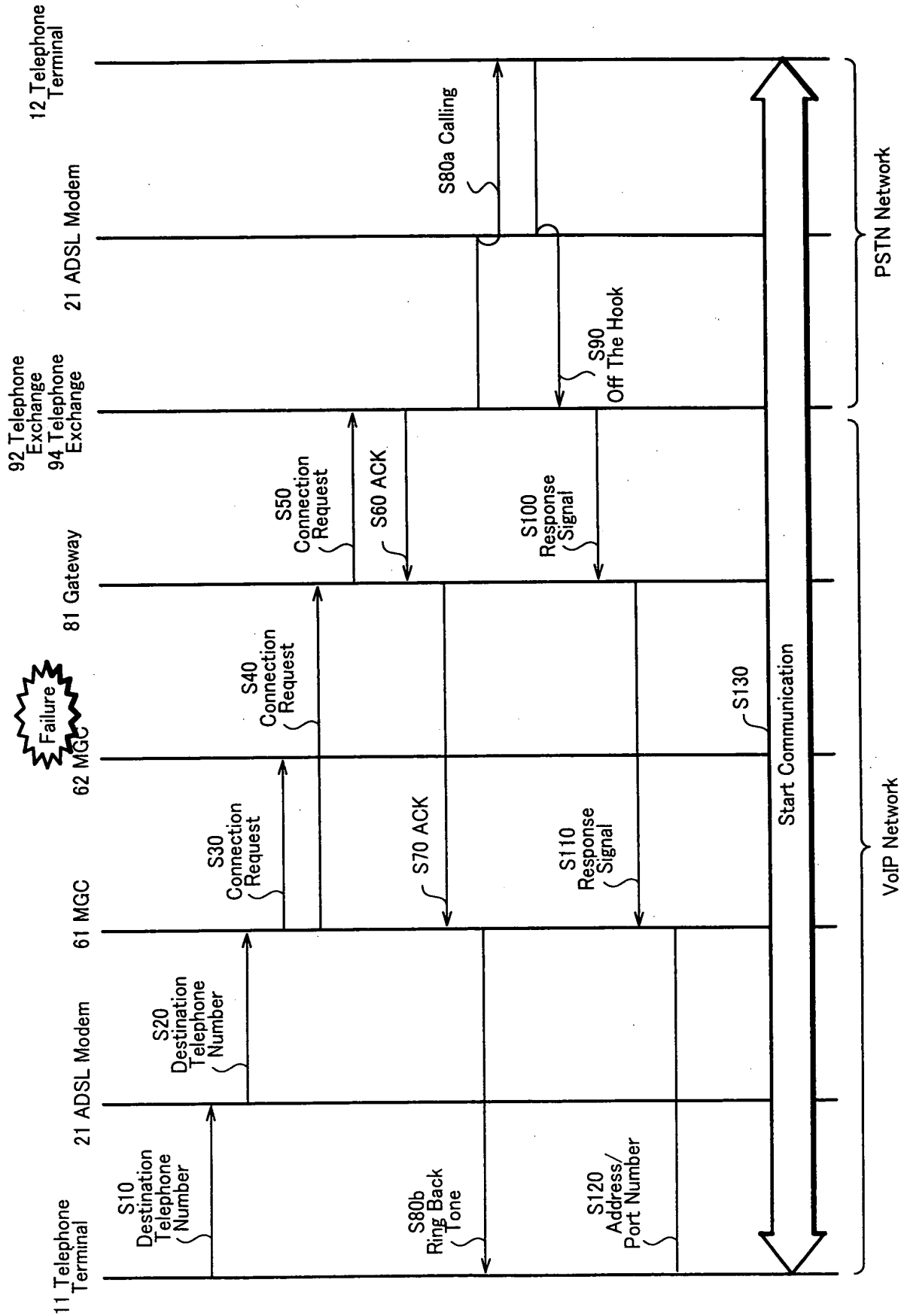




FIG. 5





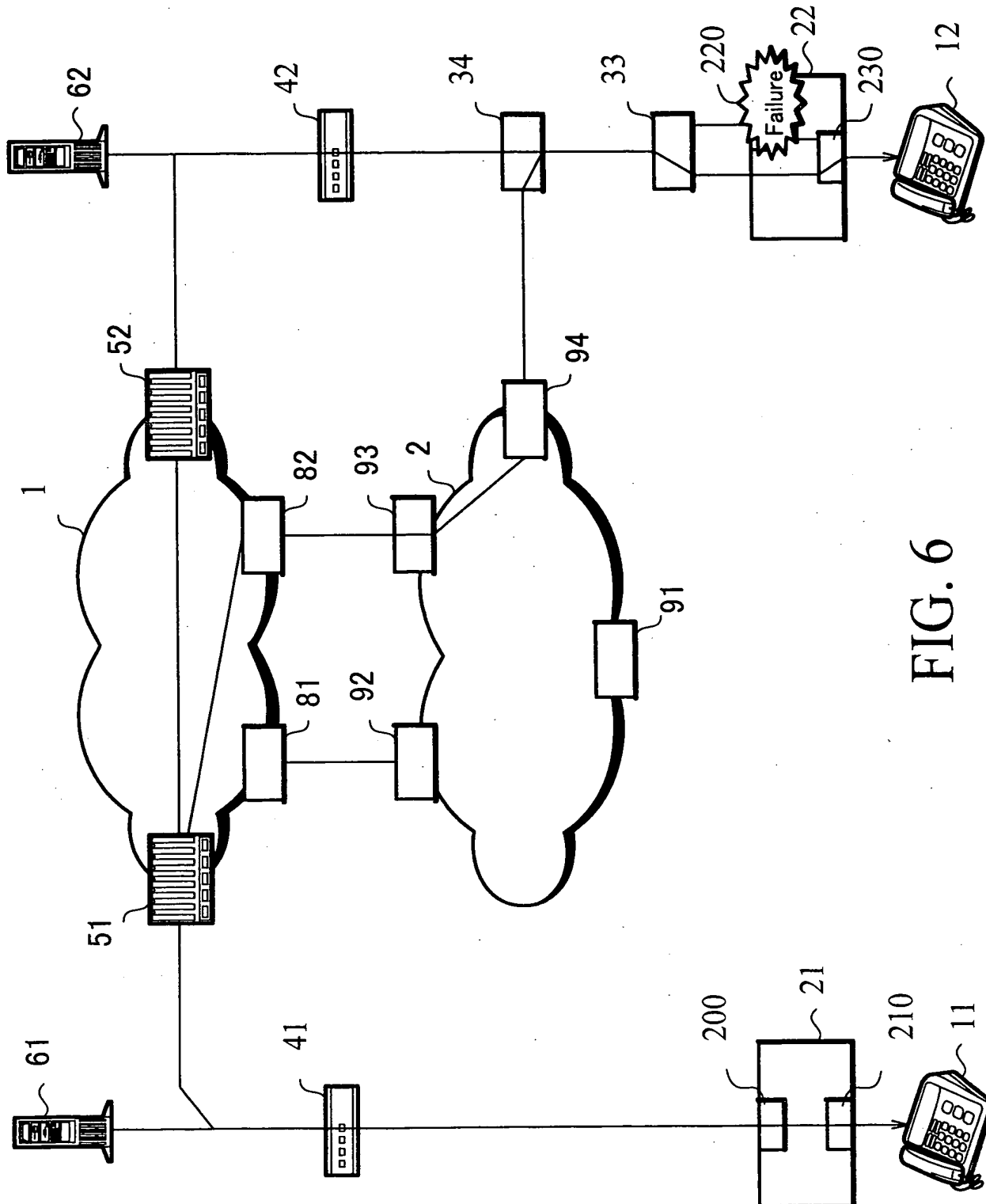
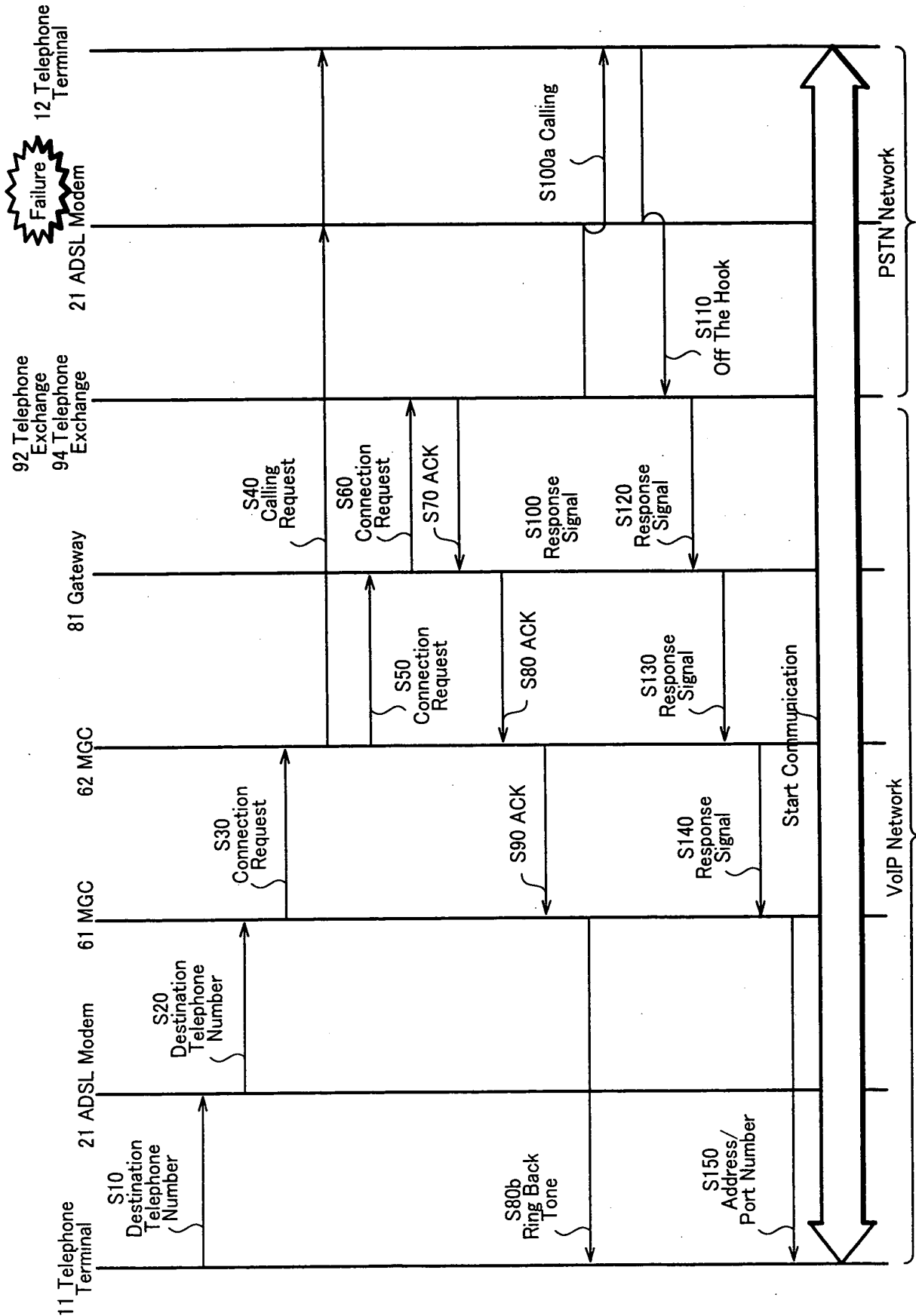


FIG. 6



FIG. 7





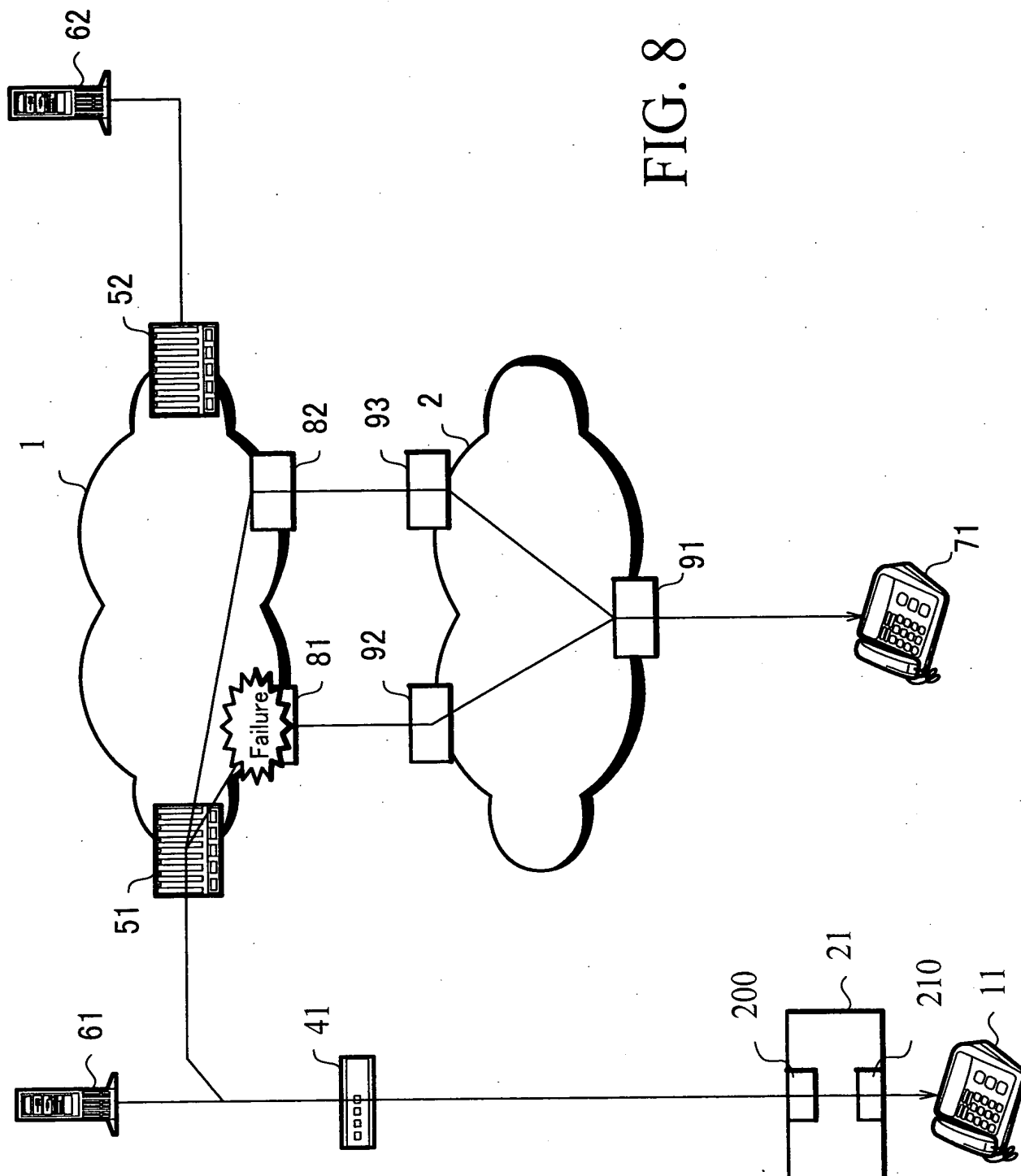


FIG. 8



The diagram illustrates the sequence of events and message exchanges between various components in a VoIP network. The components are arranged horizontally, and the sequence of events is shown vertically. A large arrow at the bottom indicates the 'Start Communication' phase.

**Components (from left to right):**

- 11 Telephone Terminal
- 21 ADSL Modem
- 61 MGC
- 81 Gateway
- 94 Telephone Exchange
- 92 Telephone Exchange
- 21 ADSL Modem
- 12 Telephone Terminal

**Sequence of Events and Messages:**

- S10:** Destination Telephone Number (from 11 Telephone Terminal to 21 ADSL Modem)
- S20:** Destination Telephone Number (from 21 ADSL Modem to 61 MGC)
- S30:** Connection Request (from 61 MGC to 81 Gateway)
- S40:** Connection Request (from 81 Gateway to 94 Telephone Exchange)
- S50:** Connection Request (from 94 Telephone Exchange to 92 Telephone Exchange)
- S60:** Connection Request (from 92 Telephone Exchange to 21 ADSL Modem)
- S70:** ACK (from 21 ADSL Modem to 92 Telephone Exchange)
- S80:** ACK (from 92 Telephone Exchange to 94 Telephone Exchange)
- S90:** ACK (from 94 Telephone Exchange to 81 Gateway)
- S100a:** Calling (from 81 Gateway to 12 Telephone Terminal)
- S100b:** Ring Back Tone (from 12 Telephone Terminal to 21 ADSL Modem)
- S110:** Response Signal (from 81 Gateway to 61 MGC)
- S120:** Response Signal (from 92 Telephone Exchange to 21 ADSL Modem)
- S130:** Response Signal (from 94 Telephone Exchange to 81 Gateway)
- S140:** Response Signal (from 61 MGC to 81 Gateway)
- S150:** Address/Port Number (from 12 Telephone Terminal to 21 ADSL Modem)

**Other Labels:**

- Failure:** Indicated by a starburst shape near the 81 Gateway.
- Off The Hook:** Indicated by a label near the 12 Telephone Terminal.
- Start Communication:** Indicated by a large arrow at the bottom.
- VoIP Network:** A bracketed label spanning the 61 MGC, 81 Gateway, and 94 Telephone Exchange.
- PSTN Network:** A bracketed label spanning the 92 Telephone Exchange and 21 ADSL Modem.